CLAIMS

What is claimed is:

1.   A file compression method comprising:
receiving a file from a processor by a video capture device;
compressing said file into a compressed file by said video capture device; and
outputting the compressed file by said video capture device to said processor.

2.   The method of claim 1 wherein said file is a multimedia file.

3.   The method of claim 1 wherein said file is a video file.

4.   The method of claim 1 wherein said file is in a digital video format.

5.   The method of claim 1 wherein said file is compressed.

6.   The method of claim 5 wherein said compressed file is in a digital video format.

7.   The method of claim 1 wherein said receiving and said outputting are carried out concurrently.

8.   The method of claim 1 wherein said receiving and said outputting are carried out concurrently via a serial connection.

9.   The method of claim 1 wherein said compressed file is in a Moving Pictures Experts Group format.

10.   The method of claim 1 wherein said compressed file is in a Digital Versatile Disk compatible format.

11.   The method of claim 1 further comprising:
publishing said compressed file using said processor device.

12.   The method of claim 11 wherein said publishing comprises copying said compressed file to a Digital Versatile Disk.

13.   A file compression device comprising:

a compression encoder comprising:

      means for receiving a digital data stream; and

      means for converting said digital data stream into a compressed data stream; and

a controller comprising:

      means for receiving a high speed input stream of a digital file from a processor

device;

      means for inputting said input stream into said compression encoder for

compression; and

      means for receiving compressed files from said compression encoder for output,

as an output stream to said processor.

14.   The device of claim 13 wherein said controller further comprises:

means for deserializing said input stream; and

means for serializing said output stream.

15.   The device of claim 13 further comprising a serial interface concurrently carrying

said high speed input stream and said output stream between said controller and said processor.

16.   The device of claim 13 wherein said high speed input stream is an uncompressed

digital multimedia data stream.

17.   The device of claim 13 wherein said means for converting comprises means for

converting said digital data stream into a digital video format compatible for use on a Digital

Versatile Disk.

18.   The device of claim 17 wherein said format compatible for use on a Digital

Versatile Disk is a Moving Pictures Experts Group format.

19.   A system comprising:

a video capture device comprising:

an analog-to-digital converter;

a multimedia compression encoder comprising:

means for receiving a digital data stream; and

means for converting said digital data stream into a compressed multimedia data stream; and

an internal bus for carrying said digital data stream from said analog-to-digital converter to said encoder; and

a controller comprising:

means for receiving a high speed input stream of a digital multimedia file from a processor;

means for inputting said input stream into said internal bus for compression by said encoder;

means for receiving compressed multimedia files from said multimedia compression encoder; and

means for outputting said compressed multimedia file as an output stream to said processor.

20.   The system of claim 19 wherein said means for outputting and said means for receiving concurrently carry said high speed input stream and said output stream between said controller and said processor.

21.   The system of claim 19 wherein said means for receiving comprises:

means for deserializing said input stream; and

means for serializing said output stream.

22.   The system of claim 19 wherein said output stream is in a Moving Pictures Experts Group format compatible for use on a Digital Versatile Disk.